

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010275.D
 Acq On : 13 Jun 2019 16:12
 Operator : JC/SP
 Sample : K3265-07
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:34:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	285747	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	424742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193407	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126382	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	5.50	113	127278	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	491133	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.14	95	170798	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

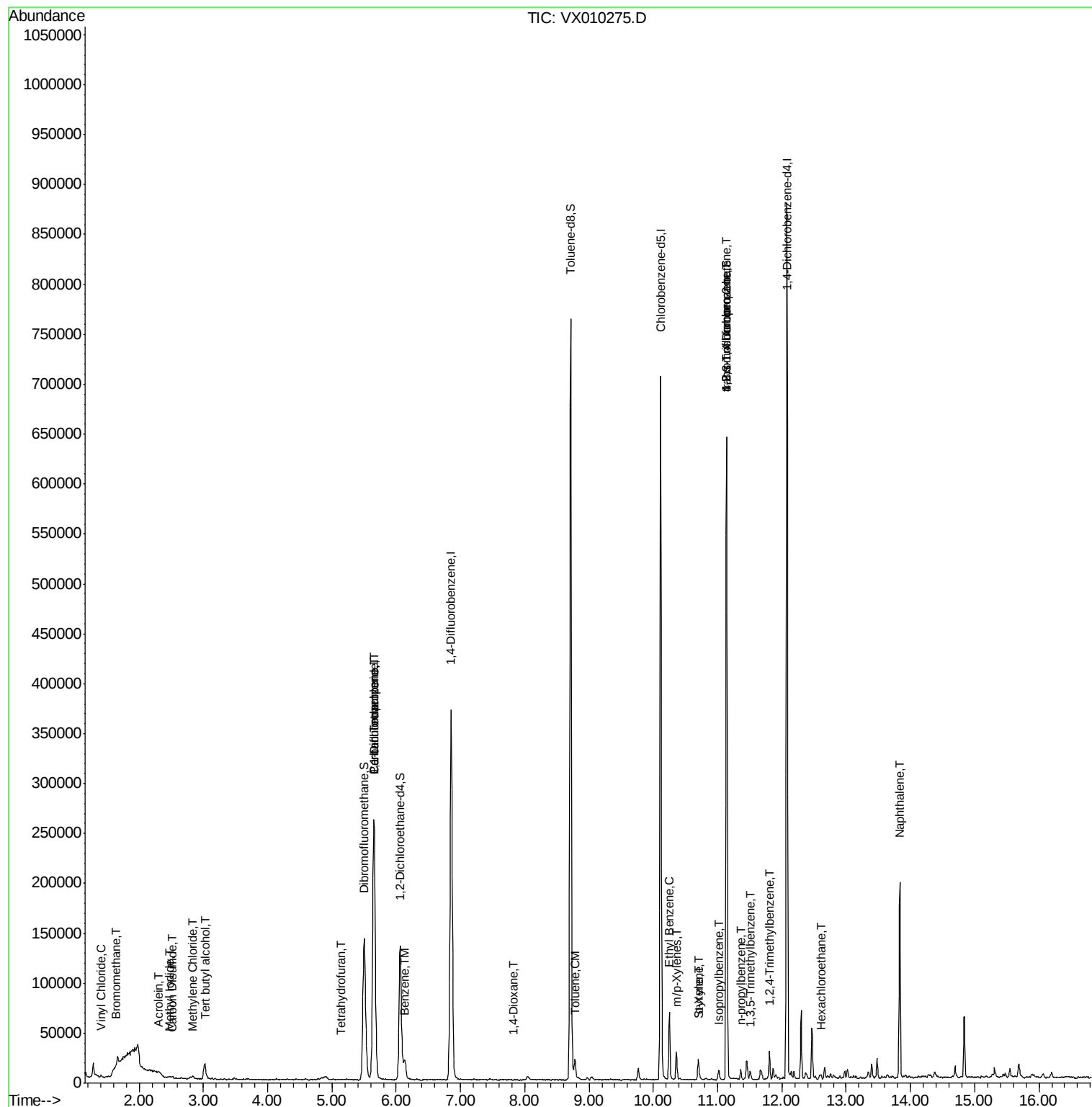
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1080	0.440	ug/l	90
5) Bromomethane	1.64	94	314	0.339	ug/l #	30
10) Methyl Iodide	2.48	142	1100	0.283	ug/l #	97
11) Tert butyl alcohol	3.02	59	9922	14.521	ug/l #	74
13) Acrolein	2.30	56	50	0.401	ug/l #	1
17) Carbon Disulfide	2.52	76	1993	0.269	ug/l #	91
20) Methylene Chloride	2.83	84	843	0.293	ug/l #	52
29) Tetrahydrofuran	5.14	42	301	0.245	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	16638	4.801	ug/l #	52
38) Carbon Tetrachloride	5.65	117	24113	6.148	ug/l #	15
40) Benzene	6.13	78	23617	2.204	ug/l	98
49) 1,4-Dioxane	7.82	88	41	0.510	ug/l #	1
52) Toluene	8.78	92	5881	0.835	ug/l	96
67) Ethyl Benzene	10.25	91	41278	3.113	ug/l #	88
68) m/p-Xylenes	10.36	106	7466	1.455	ug/l	84
69) o-Xylene	10.70	106	4758	0.933	ug/l	93
70) Styrene	10.71	104	2490	0.288	ug/l #	80
73) Isopropylbenzene	11.02	105	4837	0.358	ug/l	87
76) 1,2,3-Trichloropropane	11.14	75	77512	20.037	ug/l #	34
78) n-propylbenzene	11.36	91	6303	0.419	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	3560	0.313	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	77512	44.270	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	12690	1.105	ug/l	90
90) Hexachloroethane	12.60	117	763	0.312	ug/l #	6
95) Naphthalene	13.83	128	126104	8.608	ug/l	99

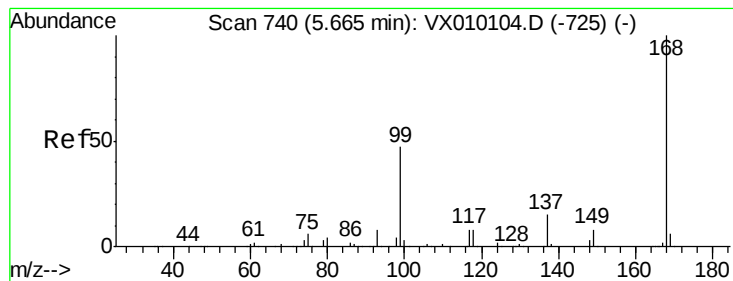
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061319\
Data File : VX010275.D
Acq On : 13 Jun 2019 16:12
Operator : JC/SP
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 14 03:34:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

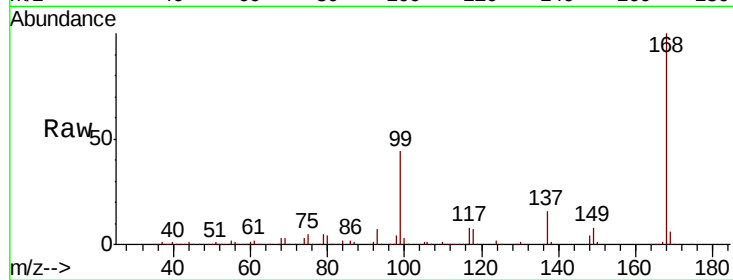
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 285747

Ion Ratio Lower Upper

168 100

99 43.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

60000

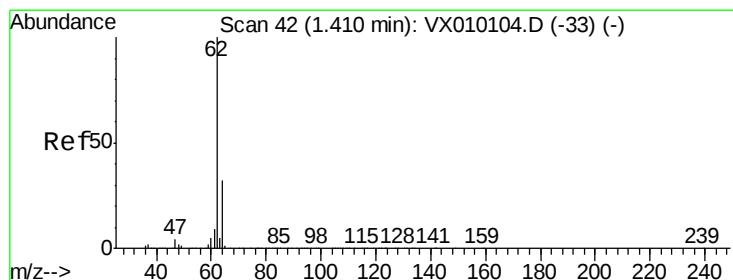
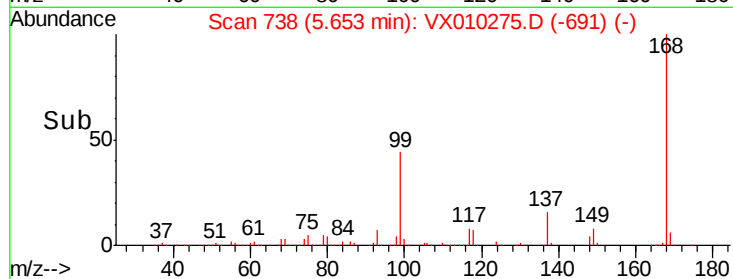
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.440 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010275.D

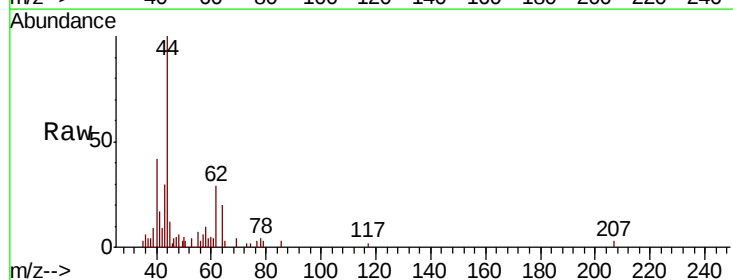
Acq: 13 Jun 2019 16:12

Tgt Ion: 62 Resp: 1080

Ion Ratio Lower Upper

62 100

64 26.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1000

800

600

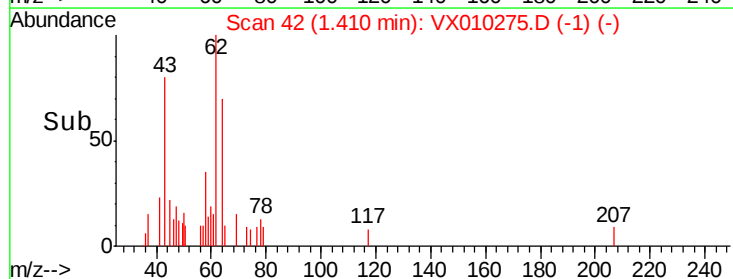
400

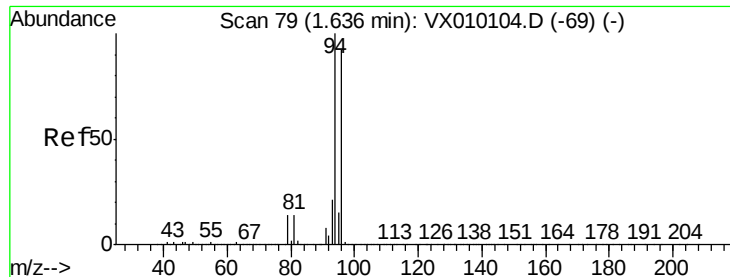
200

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

Instrument :

MSVOA_X

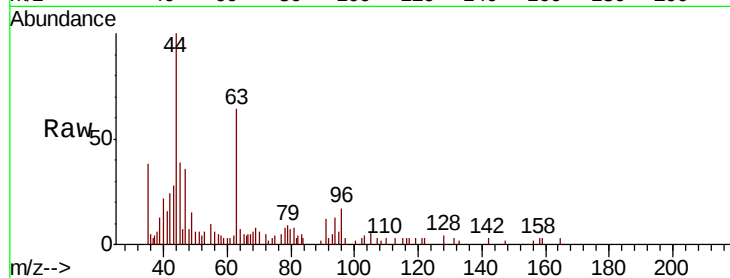
ClientSampleId :

Tot Ion: 94 Resp: 314

Ion Ratio Lower Upper

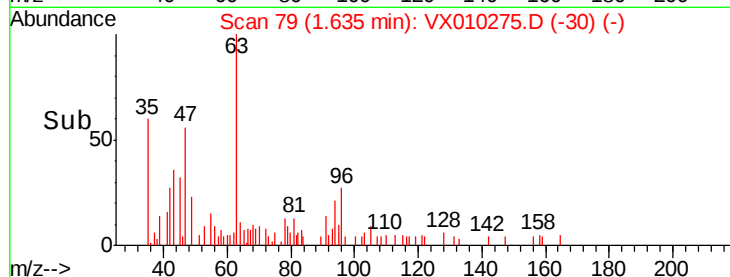
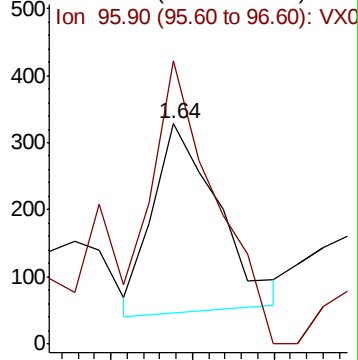
94 100

96 162.9 76.2 114.4#

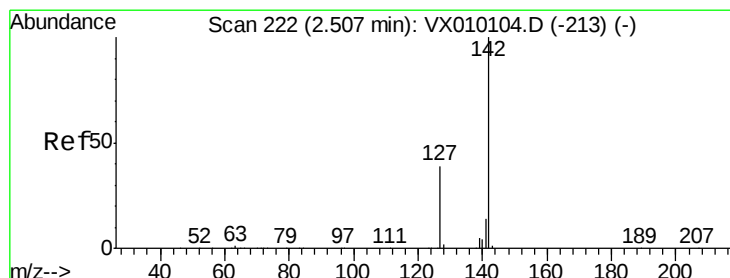


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.283 ug/l

RT: 2.48 min Scan# 217

Delta R.T. -0.03 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

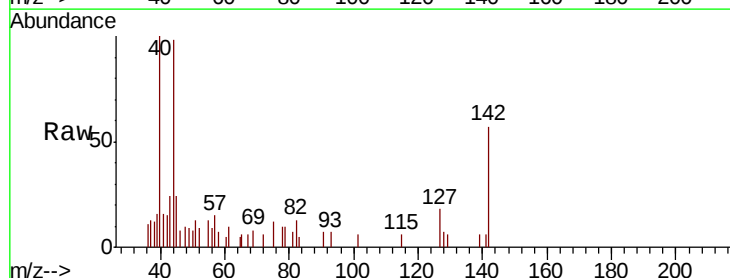
Tgt Ion: 142 Resp: 1100

Ion Ratio Lower Upper

142 100

127 41.5 33.0 49.4

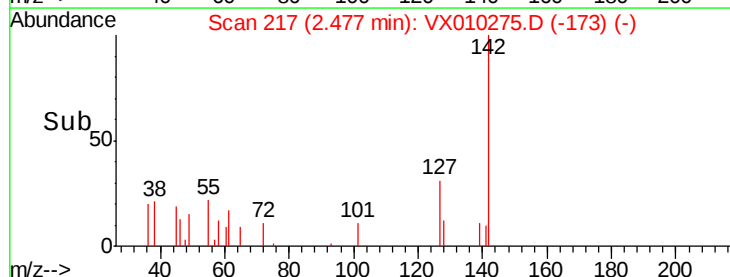
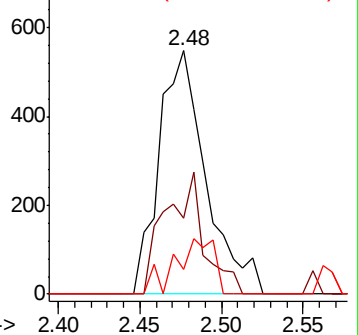
141 18.9 11.4 17.0#



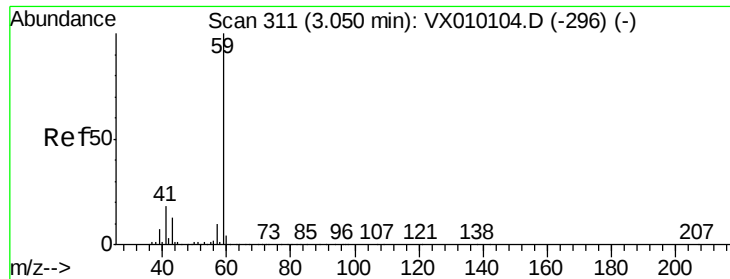
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

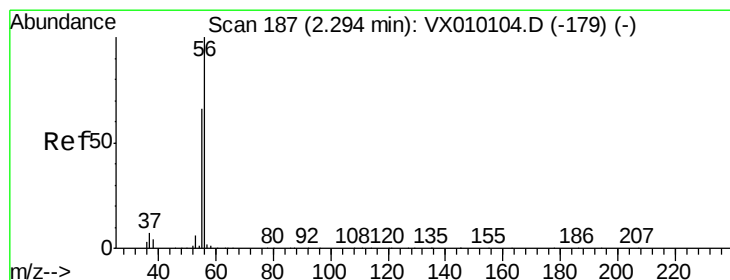
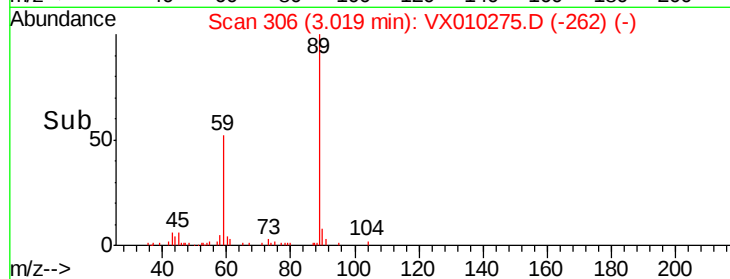
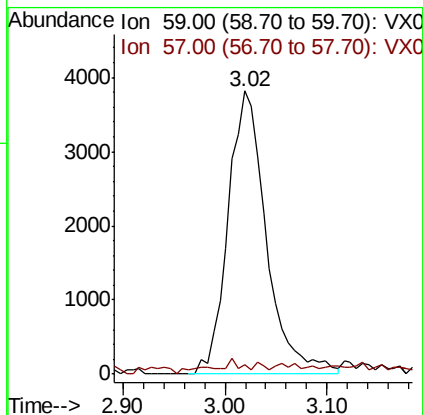
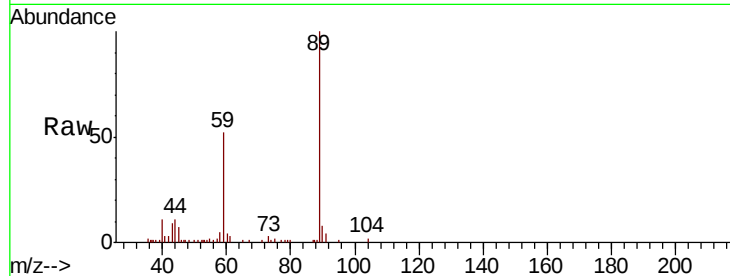


#11

Tert butyl alcohol
 Concen: 14.521 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

Instrument :
 MSVOA_X
 ClientSampleId :

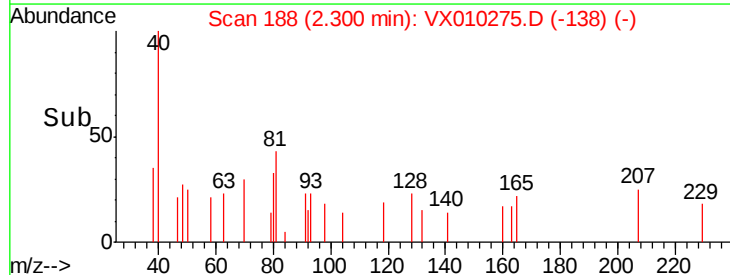
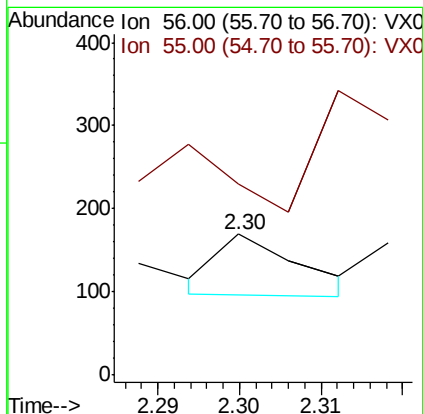
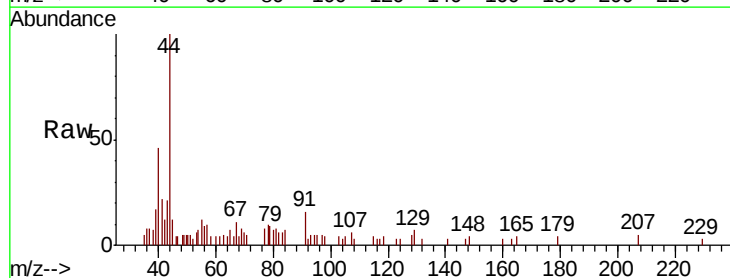
Tot Ion: 59 Resp: 9922
 Ion Ratio Lower Upper
 59 100
 57 0.7 8.2 12.2#

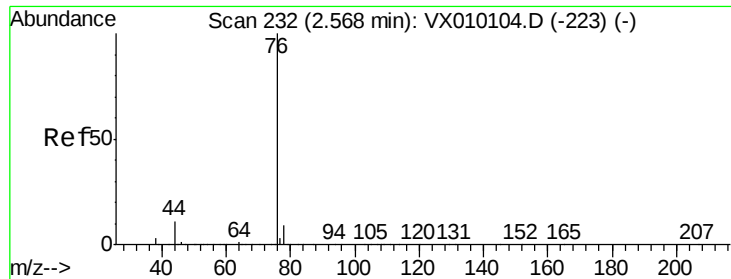


#13

Acrolein
 Concen: 0.401 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

Tgt Ion: 56 Resp: 50
 Ion Ratio Lower Upper
 56 100
 55 362.0 57.0 85.4#

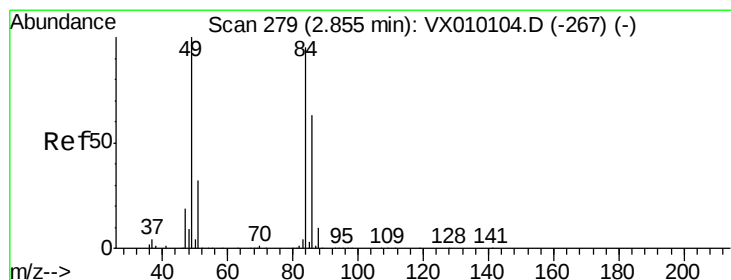
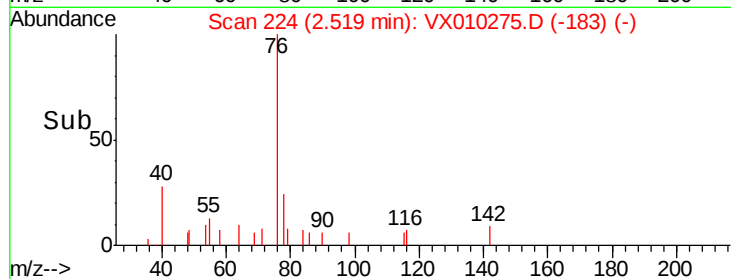
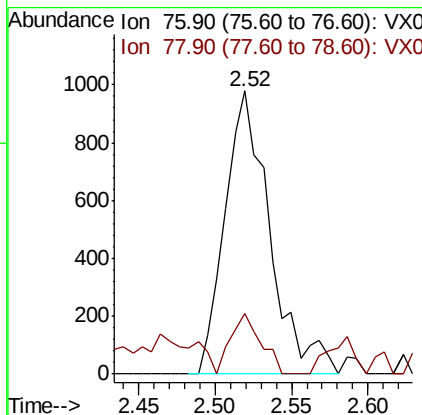
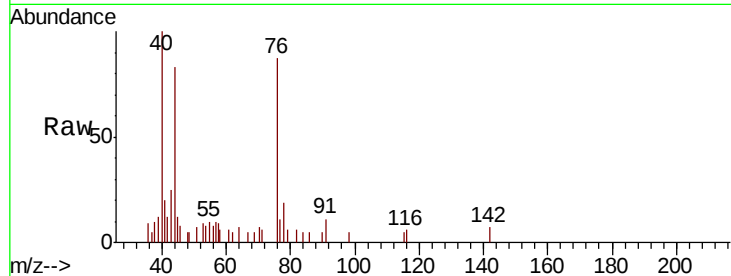




#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 2.52 min Scan# 224
Delta R.T. -0.05 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

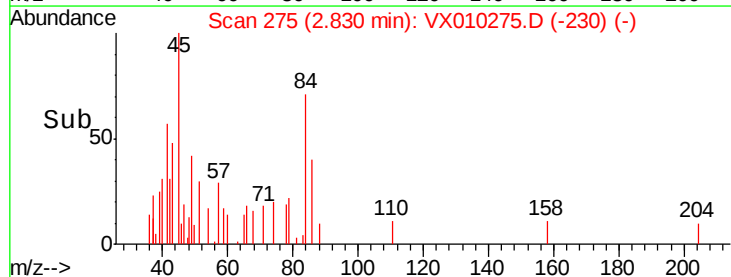
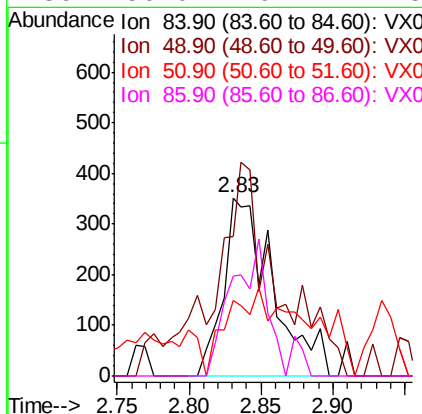
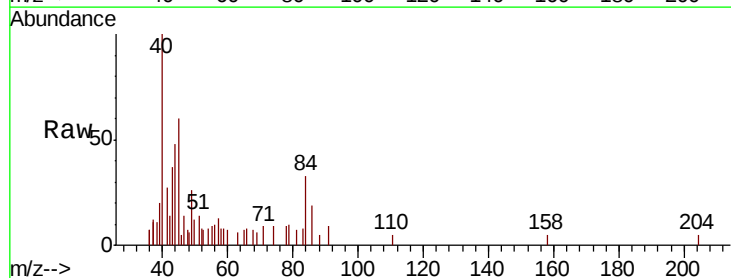
Instrument :
MSVOA_X
ClientSampled :

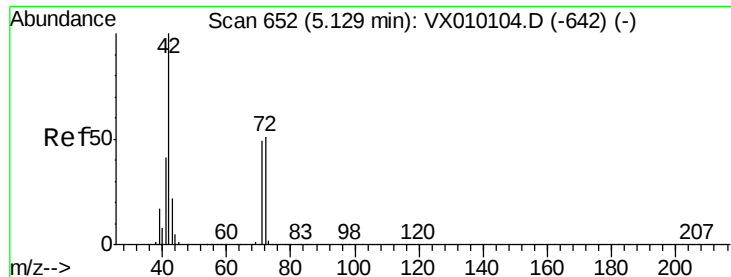
Tot Ion: 76 Resp: 1993
Ion Ratio Lower Upper
76 100
78 12.2 7.0 10.6#



#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 2.83 min Scan# 275
Delta R.T. -0.02 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion: 84 Resp: 843
Ion Ratio Lower Upper
84 100
49 62.5 115.8 173.6#
51 16.2 34.4 51.6#
86 56.0 49.7 74.5

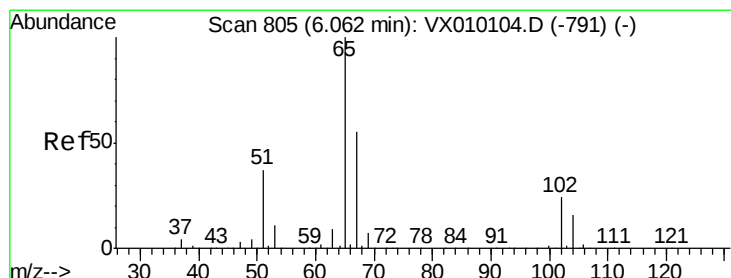
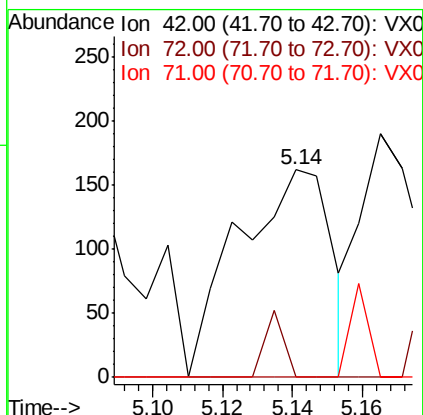
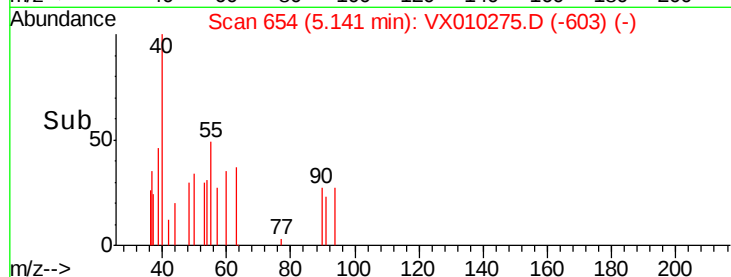
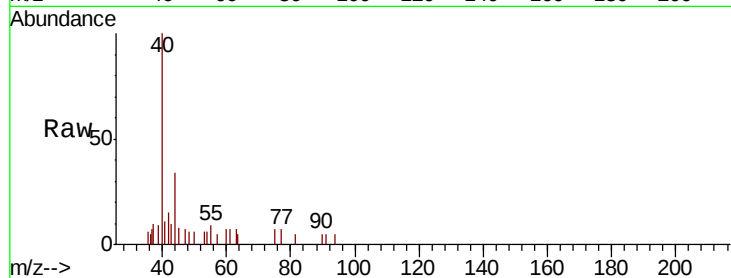




#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

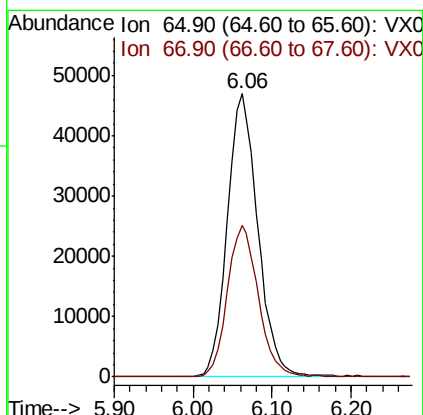
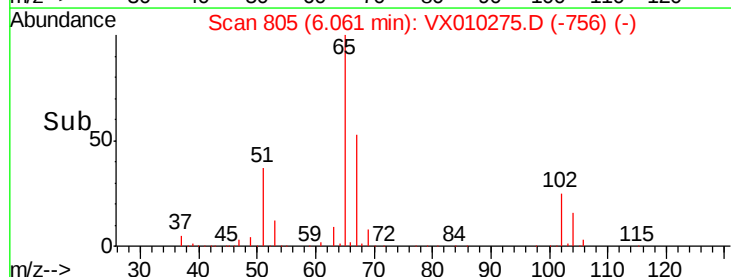
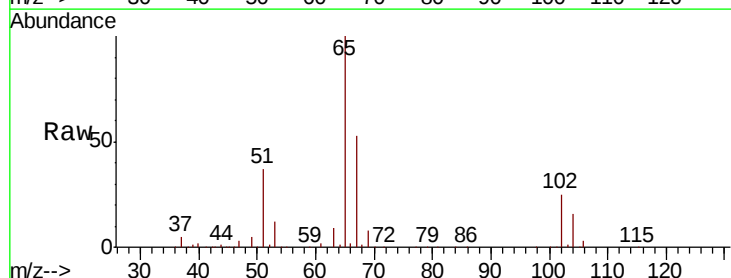
Instrument :
MSVOA_X
ClientSampled :

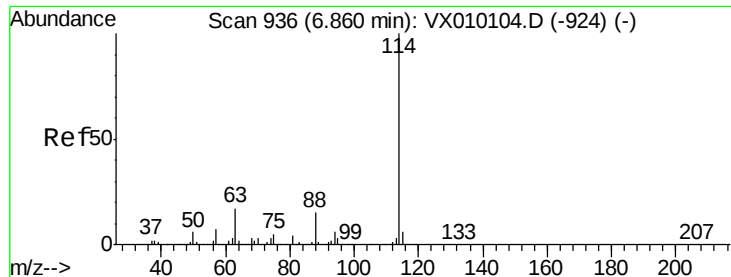
Tot Ion	Ratio	Lower	Upper
42	100		
72	6.3	29.2	43.8#
71	0.0	27.6	41.4#



#33
1,2-Dichloroethane-d4
Concen: 45.311 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

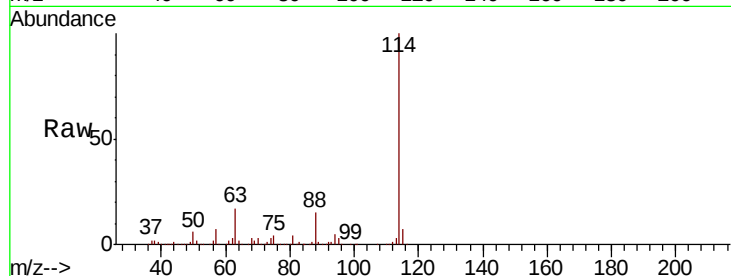
Tot Ion:114 Resp: 424742

Ion Ratio Lower Upper

114 100

63 17.0 0.0 47.4

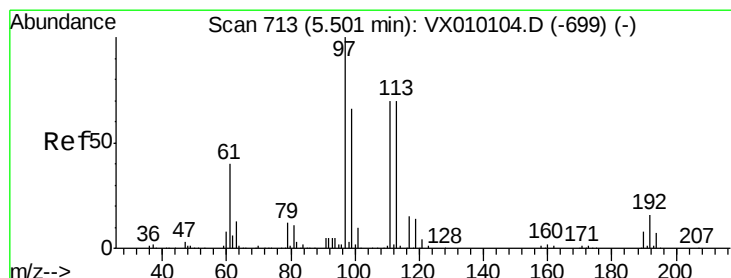
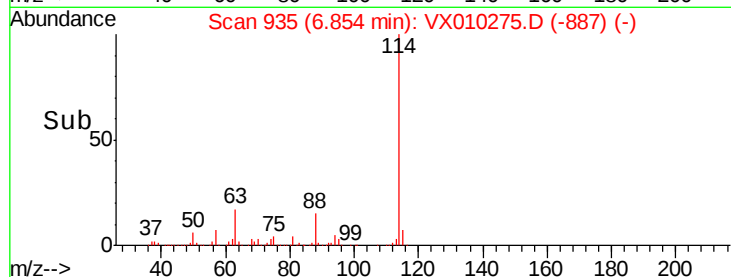
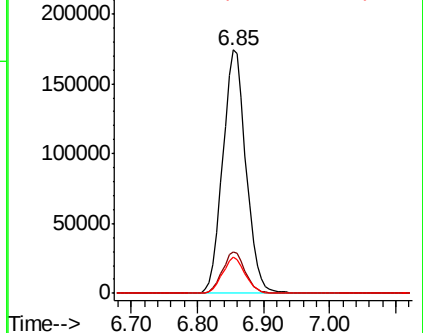
88 15.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.581 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

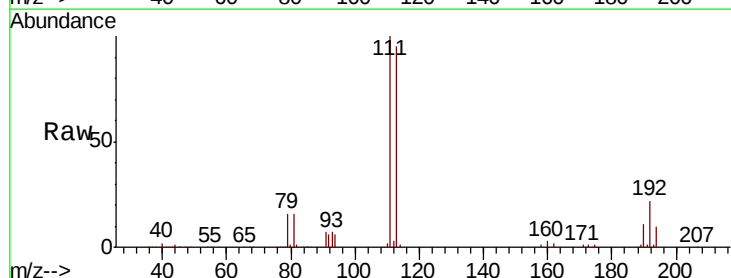
Tgt Ion:113 Resp: 127278

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

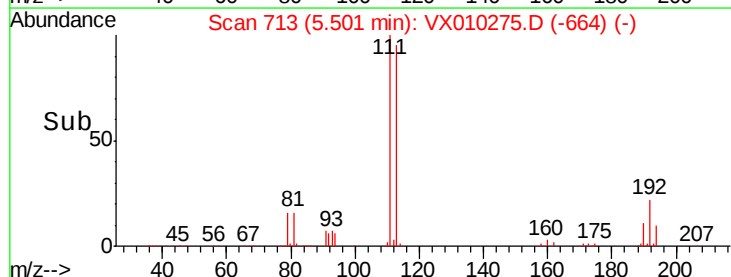
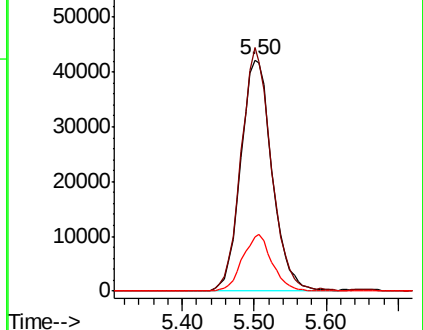
192 23.5 17.1 25.7

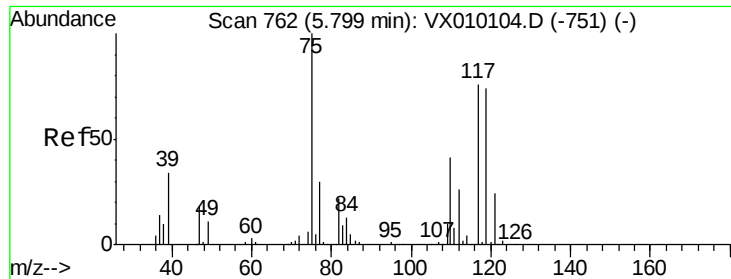


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

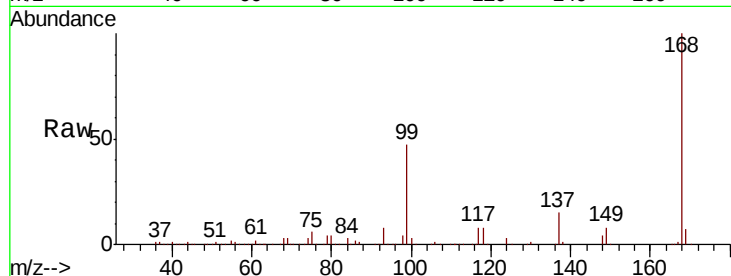




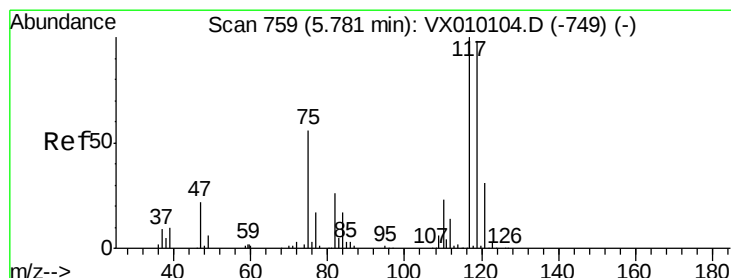
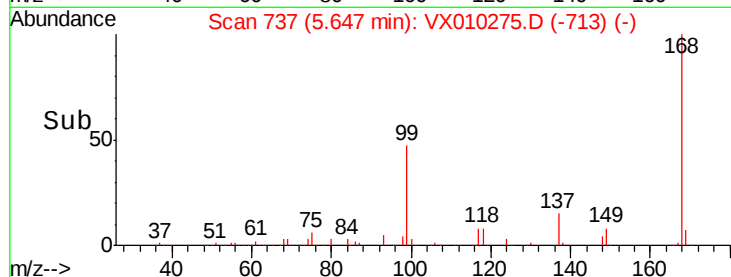
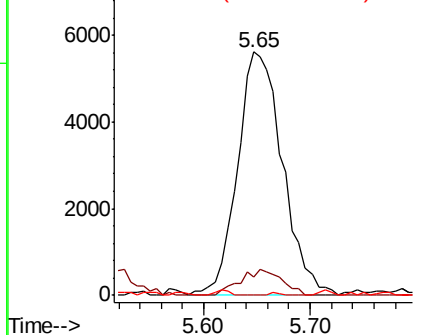
#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.7	50.1#
77	0.2	25.0	37.4#

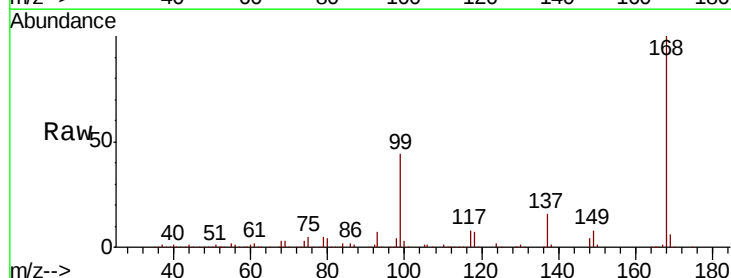


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

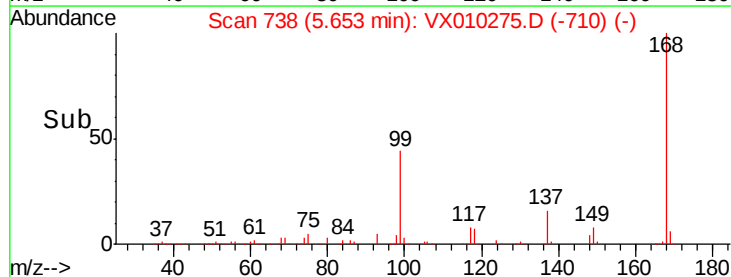
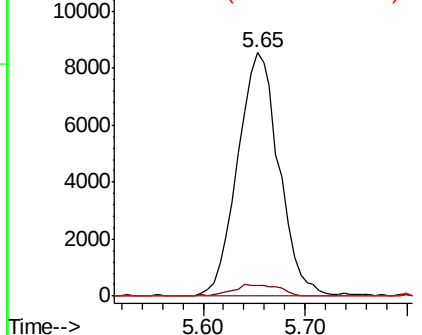


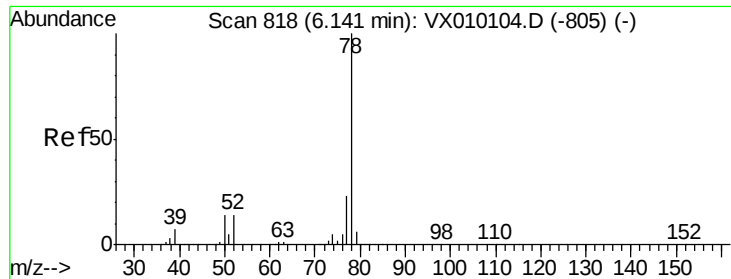
#38
 Carbon Tetrachloride
 Concen: 6.148 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.3	115.9#
121	0.0	25.4	38.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 2.204 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

Instrument :

MSVOA_X

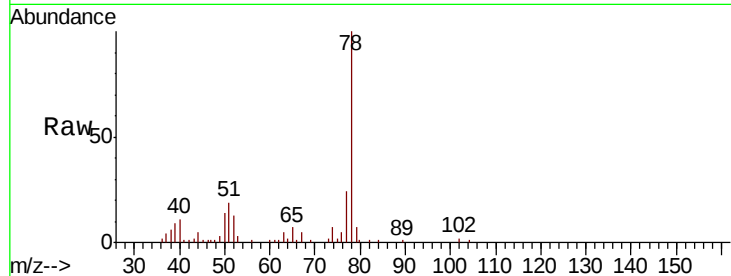
ClientSampled :

Tot Ion: 78 Resp: 23617

Ion Ratio Lower Upper

78 100

77 22.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.13

8000

6000

4000

2000

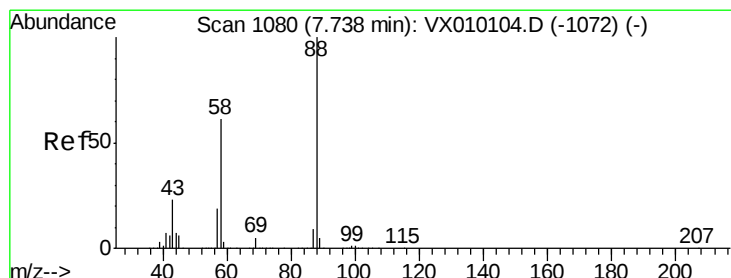
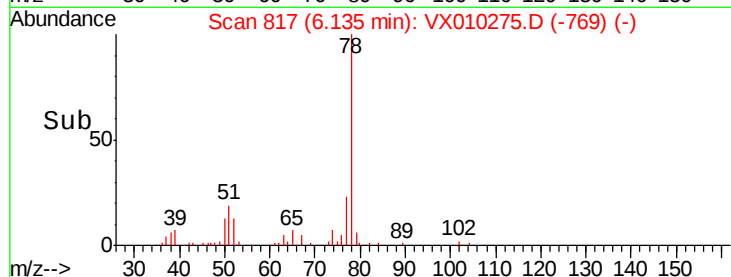
0

Time-->

6.00

6.10

6.20



#49

1,4-Dioxane

Concen: 0.510 ug/l

RT: 7.82 min Scan# 1093

Delta R.T. 0.08 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

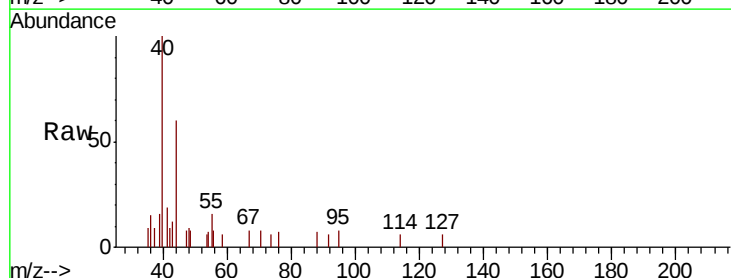
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 353.7 30.2 45.4#

58 46.3 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250

200

150

100

50

0

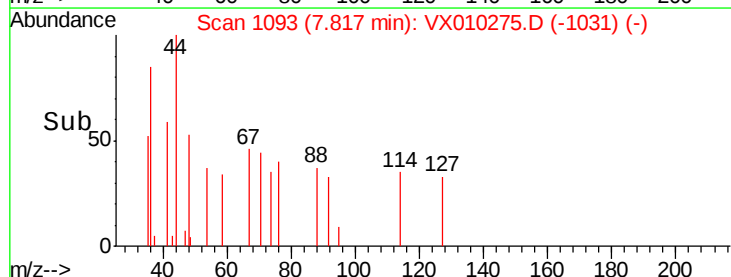
Time-->

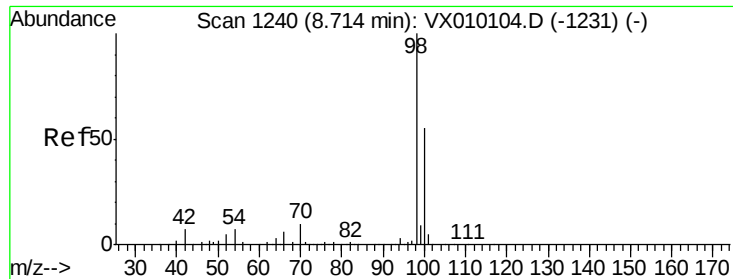
7.80

7.81

7.82

7.83

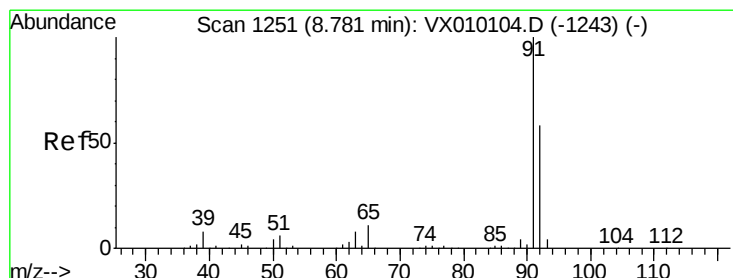
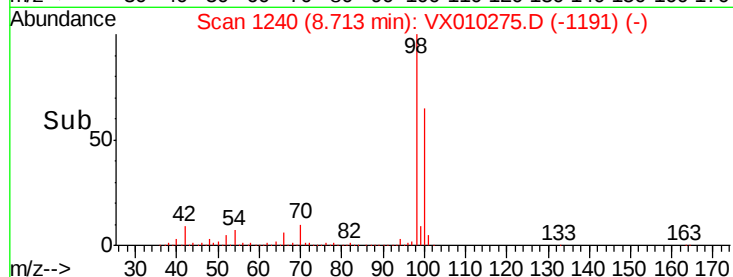
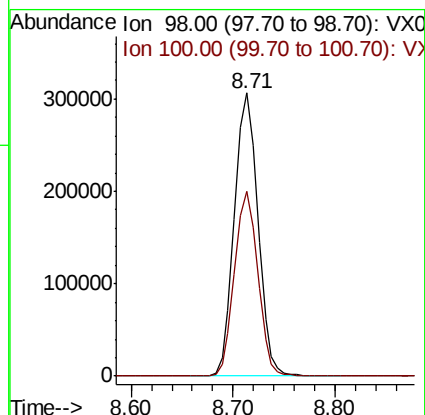
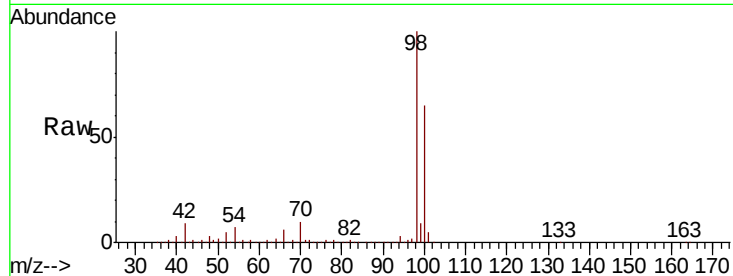




#50
Toluene-d8
Concen: 50.019 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

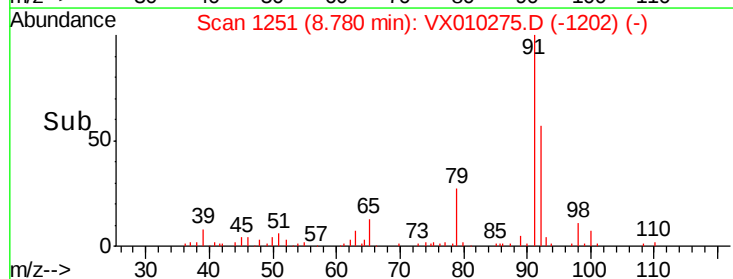
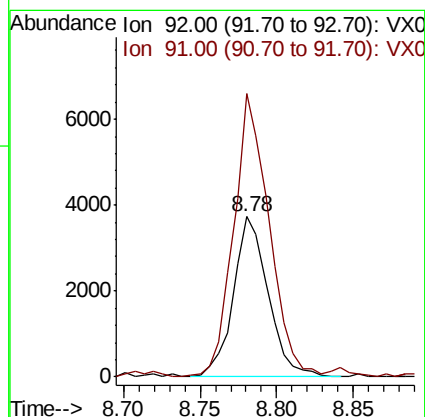
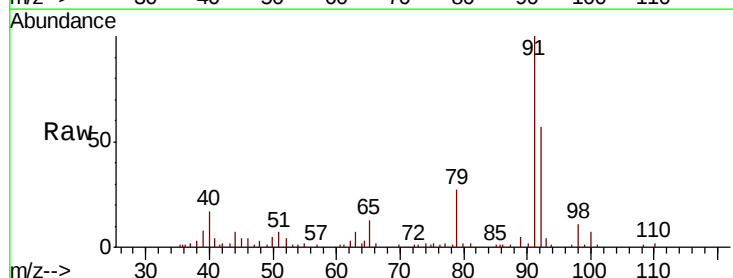
Instrument :
MSVOA_X
ClientSampleId :

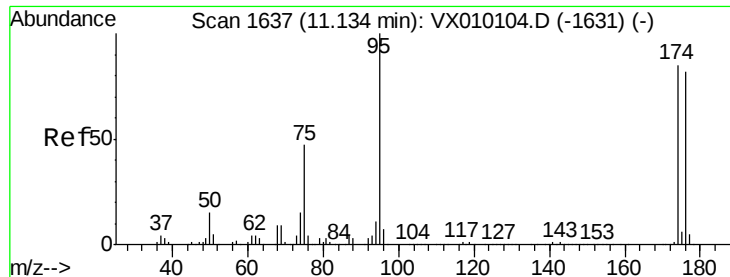
Tot Ion: 98 Resp: 491133
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#52
Toluene
Concen: 0.835 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion: 92 Resp: 5881
Ion Ratio Lower Upper
92 100
91 180.4 139.9 209.9

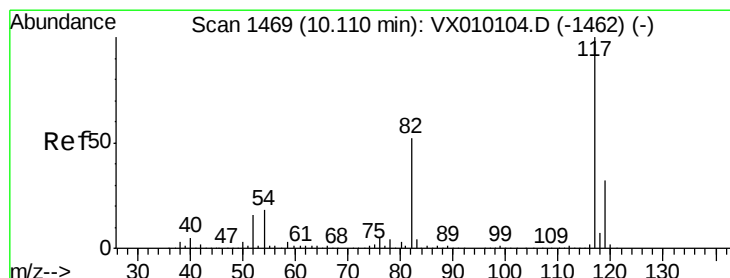
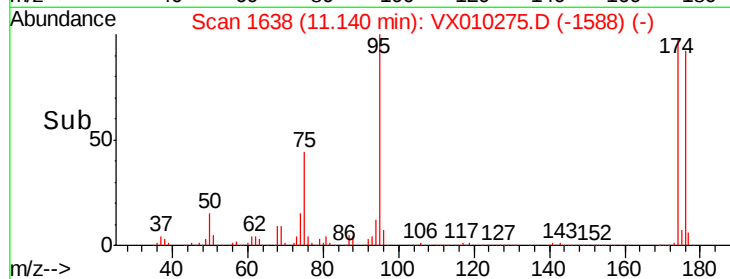
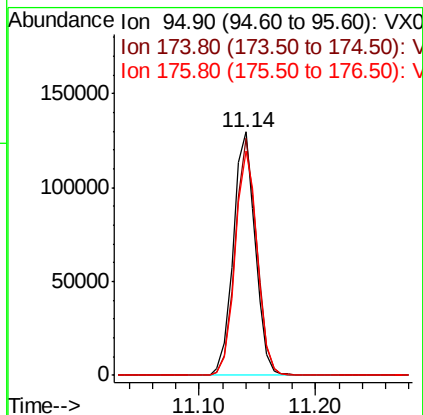
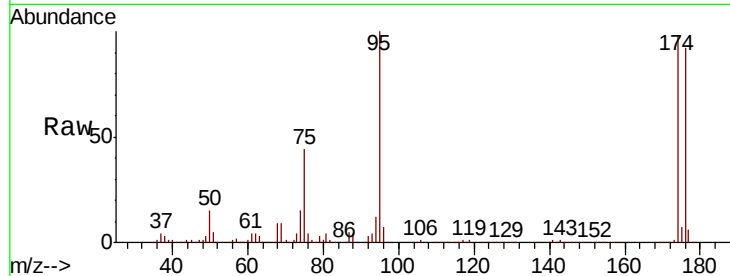




#62
4-Bromofluorobenzene
Concen: 46.577 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

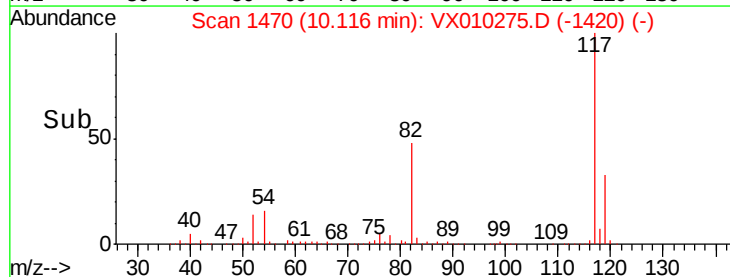
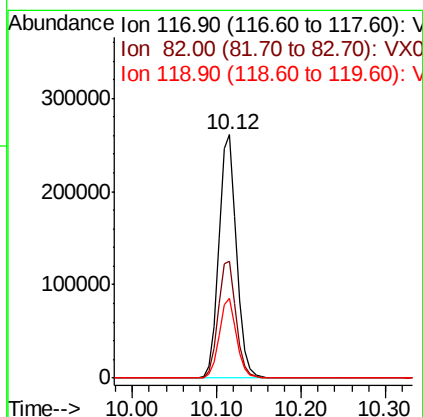
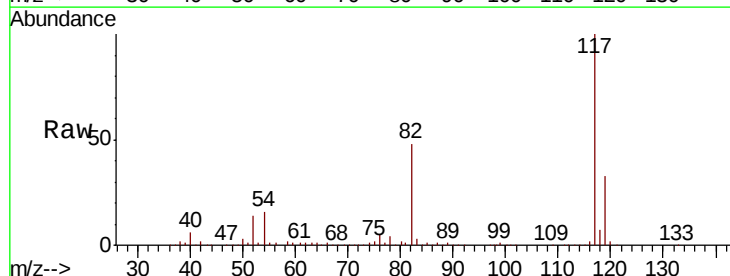
Instrument :
MSVOA_X
ClientSampleId :

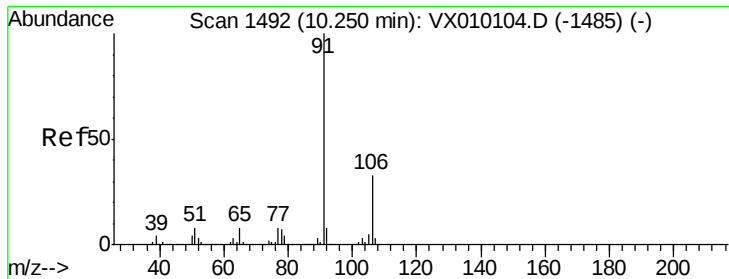
Tot Ion: 95 Resp: 170798
Ion Ratio Lower Upper
95 100
174 95.7 0.0 160.4
176 92.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion: 117 Resp: 377399
Ion Ratio Lower Upper
117 100
82 48.0 49.2 73.8#
119 32.6 25.2 37.8

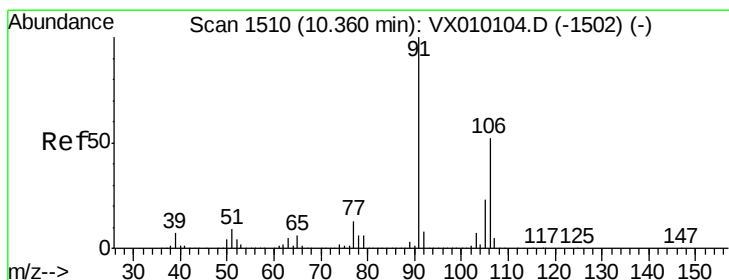
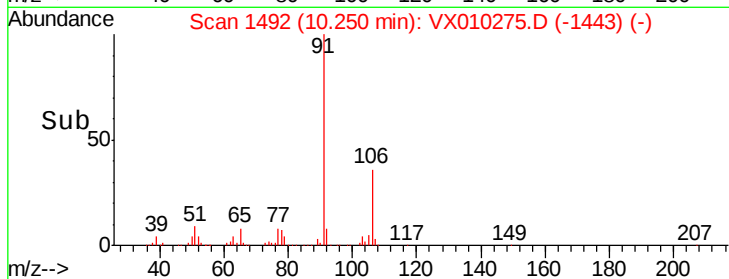
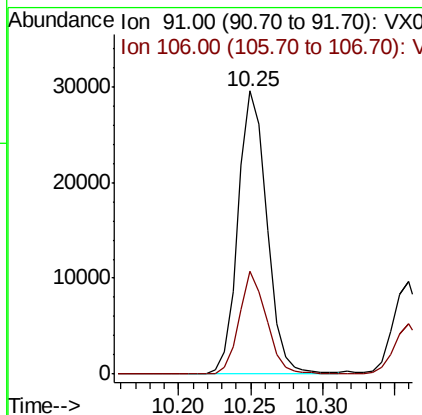
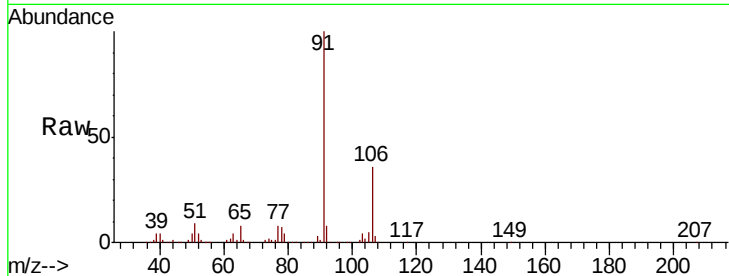




#67
Ethyl Benzene
Concen: 3.113 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

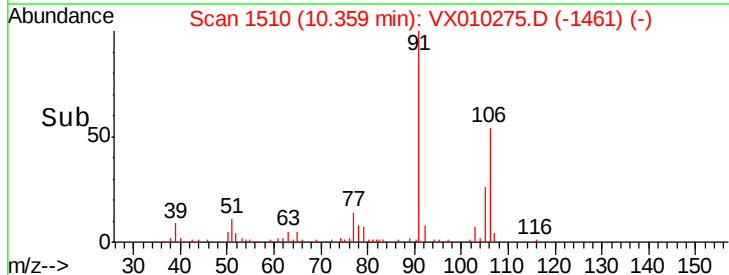
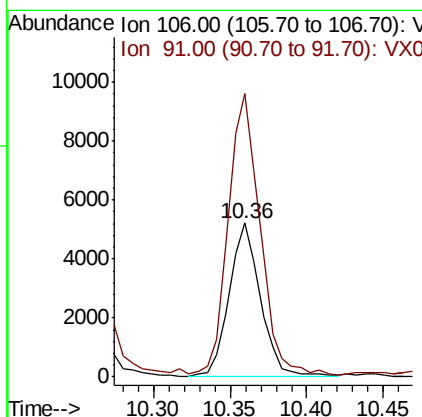
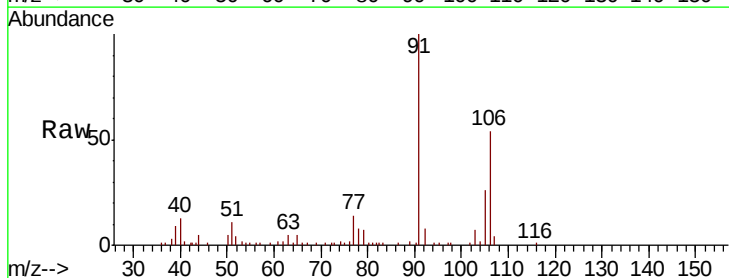
Instrument :
MSVOA_X
ClientSampleId :

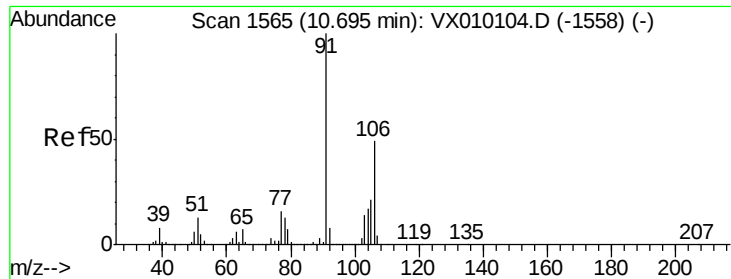
Tot Ion: 91 Resp: 41278
Ion Ratio Lower Upper
91 100
106 36.4 23.9 35.9#



#68
m/p-Xylenes
Concen: 1.455 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion: 106 Resp: 7466
Ion Ratio Lower Upper
106 100
91 184.7 167.3 250.9

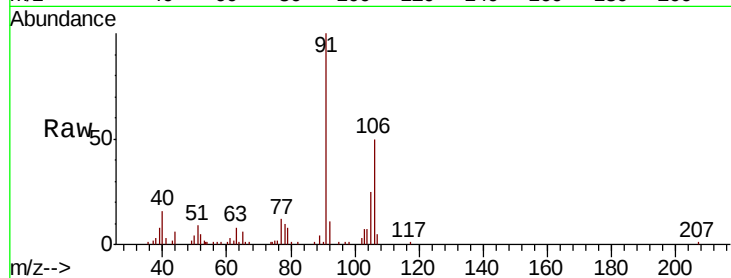




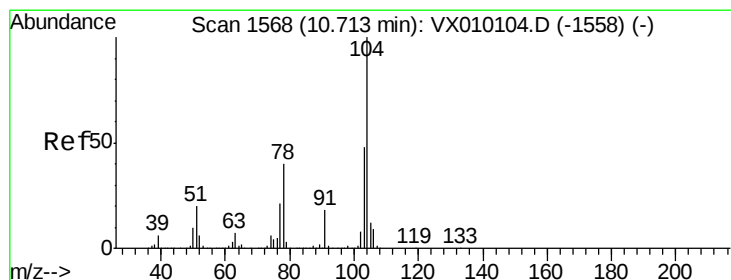
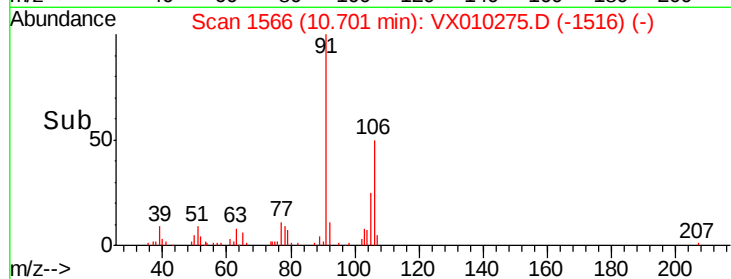
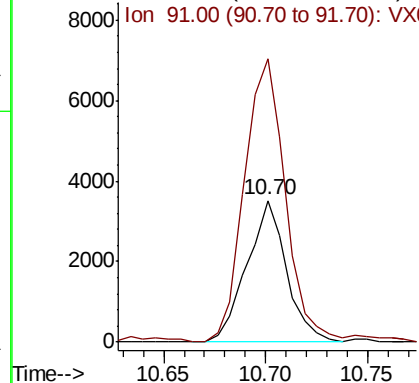
#69
o-Xylene
Concen: 0.933 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 4758
Ion Ratio Lower Upper
106 100
91 209.8 110.4 331.2

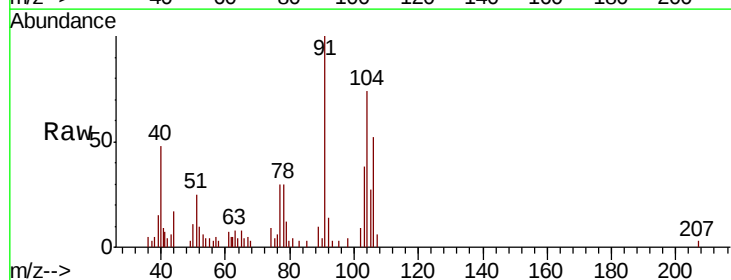


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

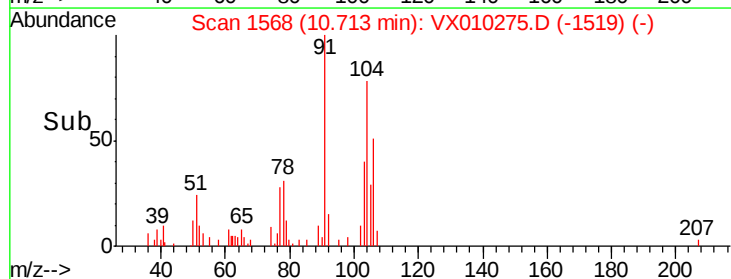
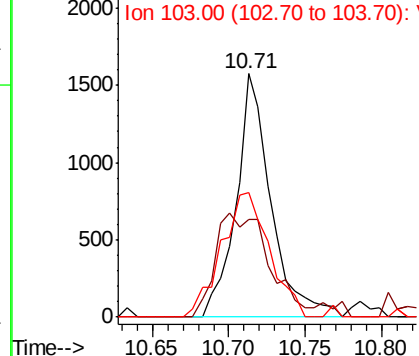


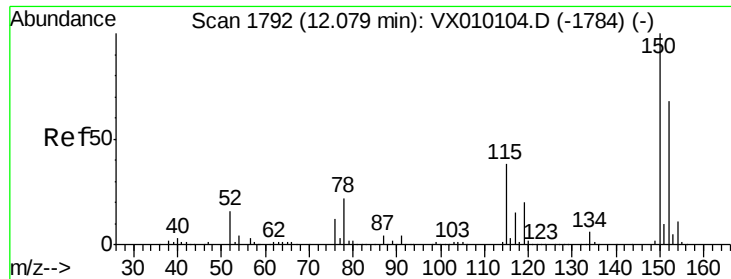
#70
Styrene
Concen: 0.288 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion:104 Resp: 2490
Ion Ratio Lower Upper
104 100
78 66.3 42.1 63.1#
103 70.2 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



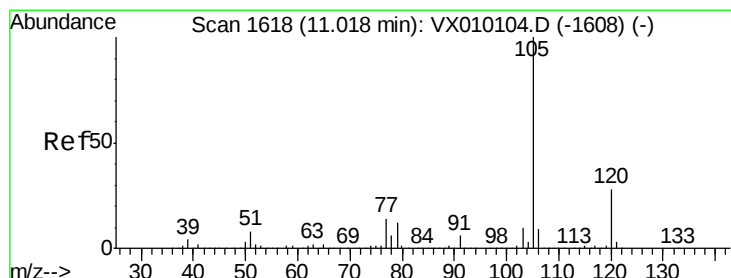
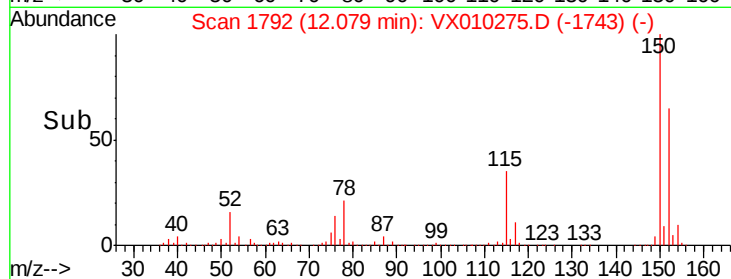
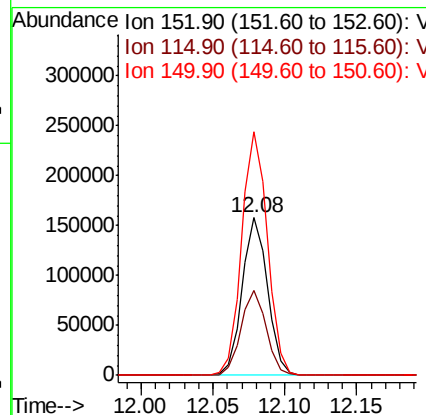
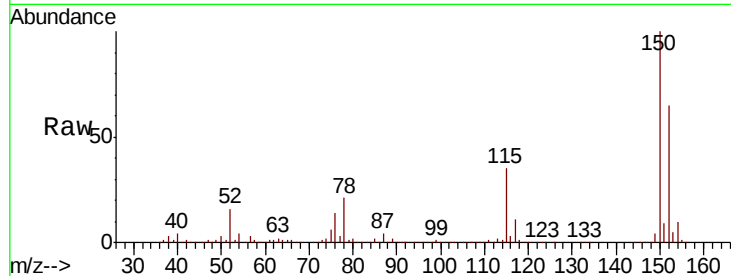


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Instrument :
MSVOA_X
ClientSampleId :

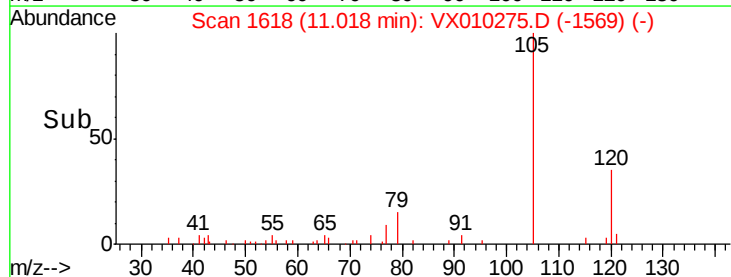
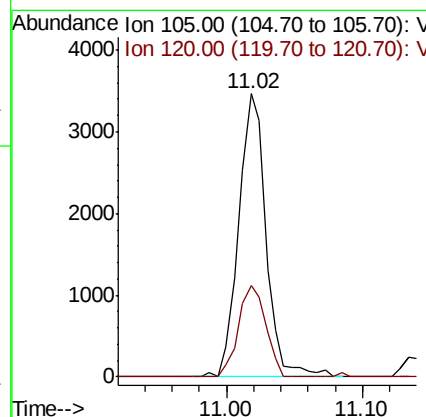
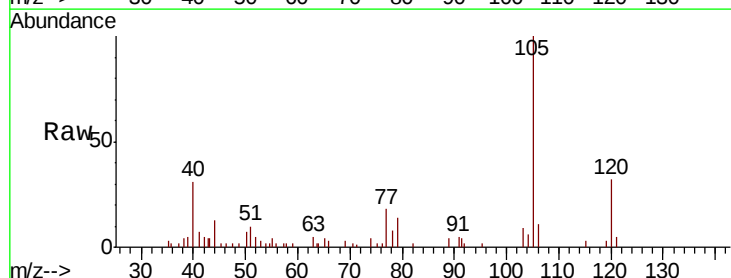
Tot Ion:152 Resp: 193407
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 157.2 0.0 345.2

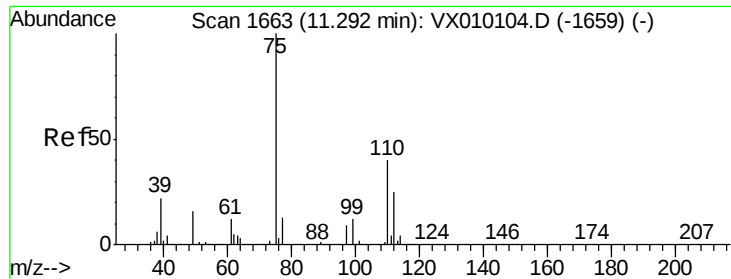


#73

Isopropylbenzene
Concen: 0.358 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Tgt Ion:105 Resp: 4837
Ion Ratio Lower Upper
105 100
120 32.2 12.8 38.4





#76

1,2,3-Trichloropropane

Concen: 20.037 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX010275.D

Acq: 13 Jun 2019 16:12

Instrument :

MSVOA_X

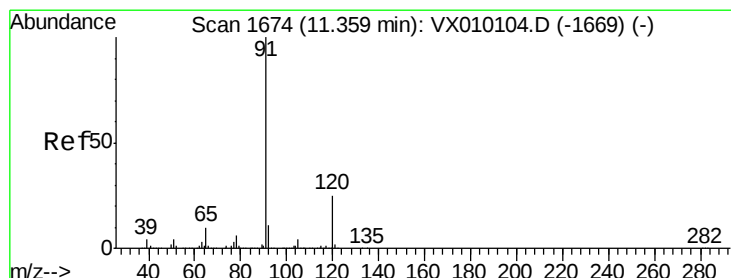
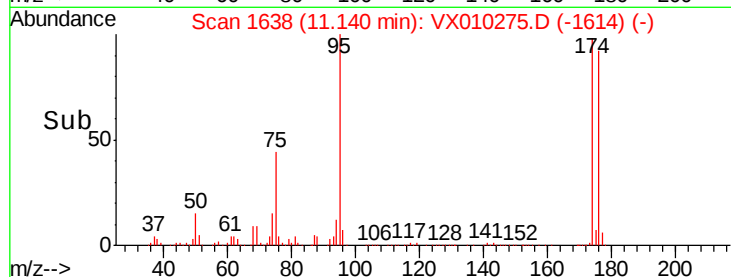
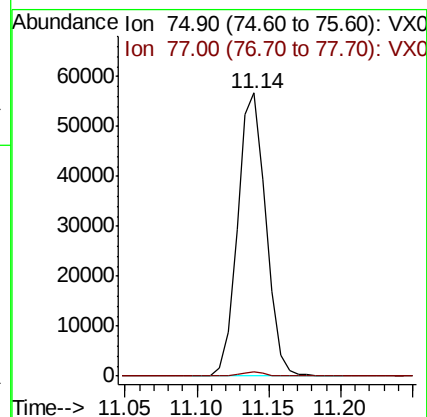
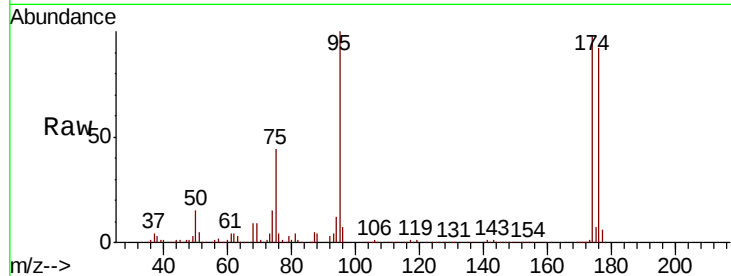
ClientSampleId :

Tot Ion: 75 Resp: 77512

Ion Ratio Lower Upper

75 100

77 1.6 22.1 66.1#



#78

n-propylbenzene

Concen: 0.419 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010275.D

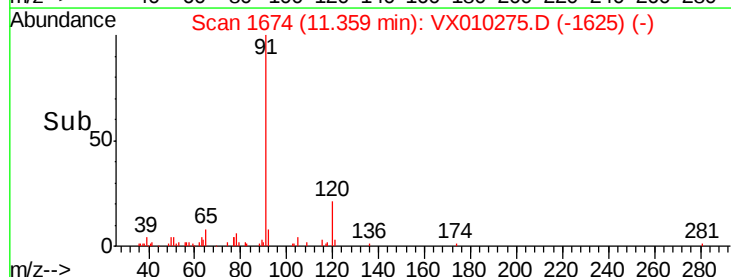
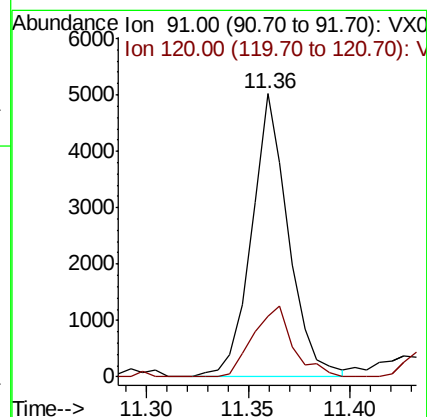
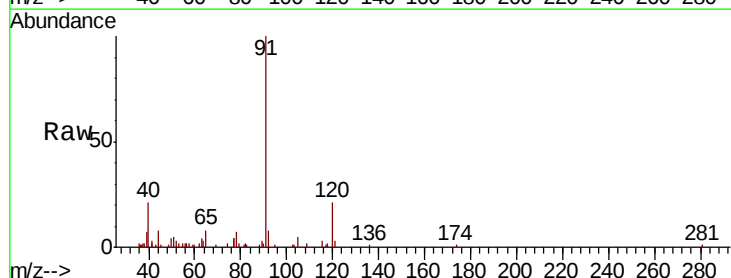
Acq: 13 Jun 2019 16:12

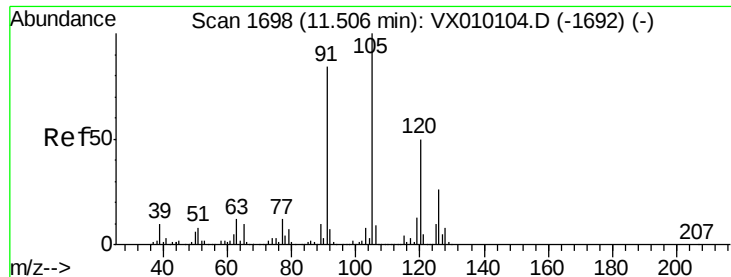
Tgt Ion: 91 Resp: 6303

Ion Ratio Lower Upper

91 100

120 27.0 11.1 33.3

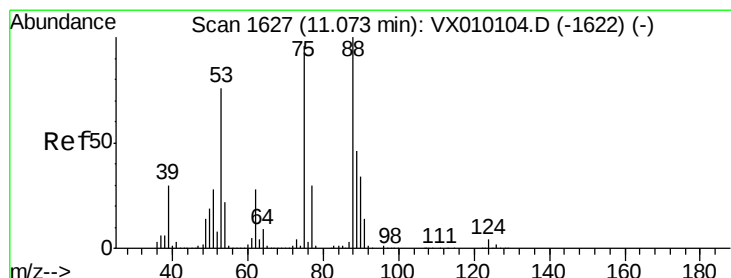
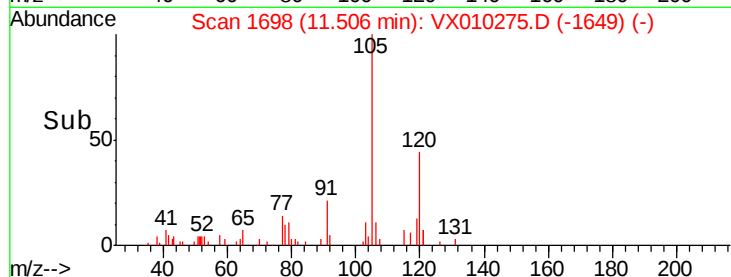
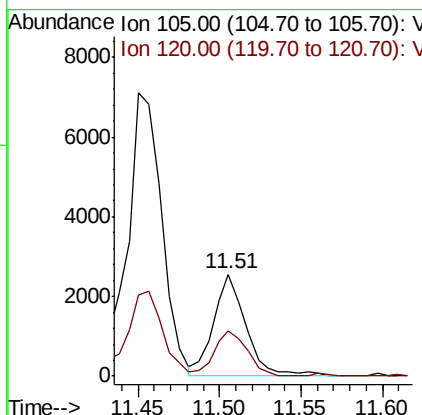
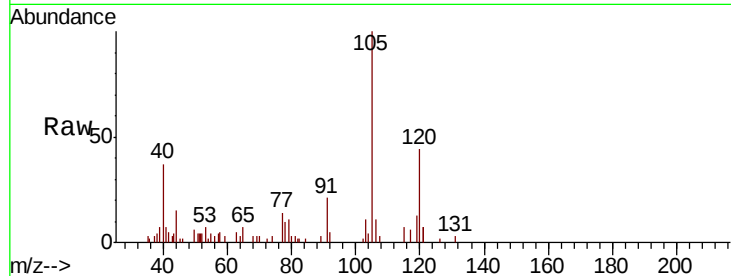




#80
 1,3,5-Trimethylbenzene
 Concen: 0.313 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

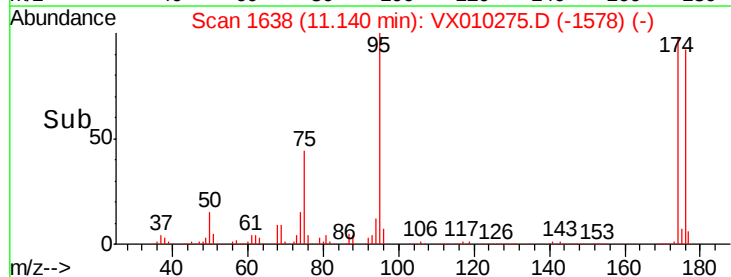
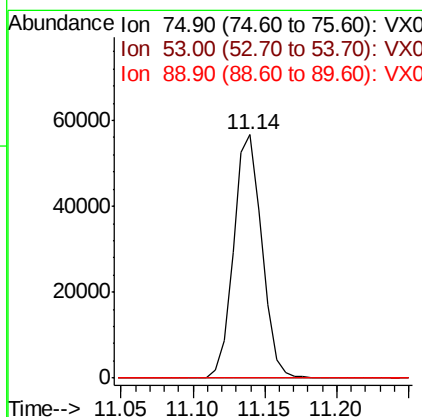
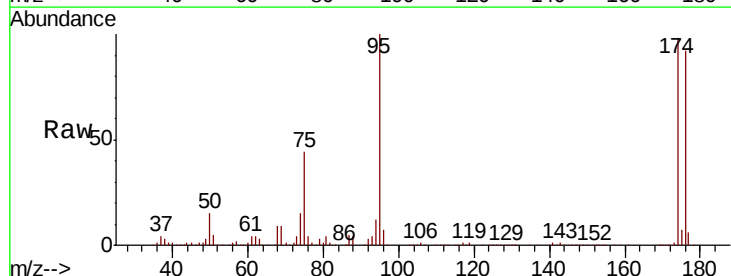
Instrument :
 MSVOA_X
 ClientSampleId :

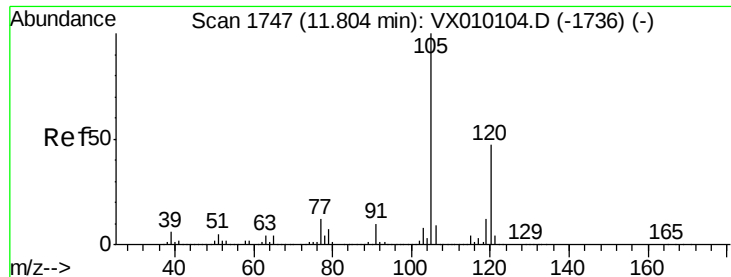
Tot Ion:105 Resp: 3560
 Ion Ratio Lower Upper
 105 100
 120 44.7 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.270 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

Tgt Ion: 75 Resp: 77512
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

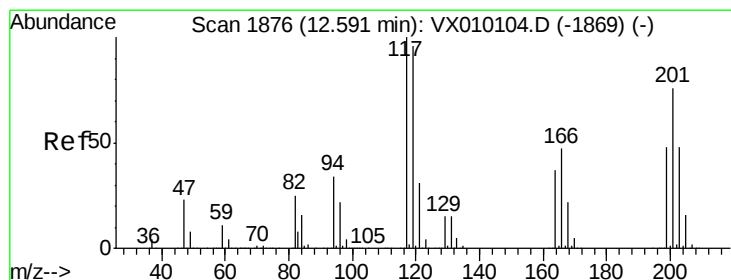
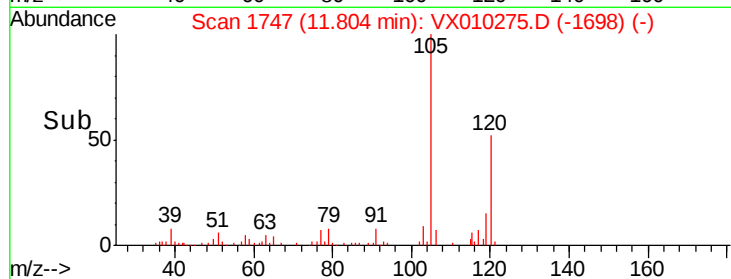
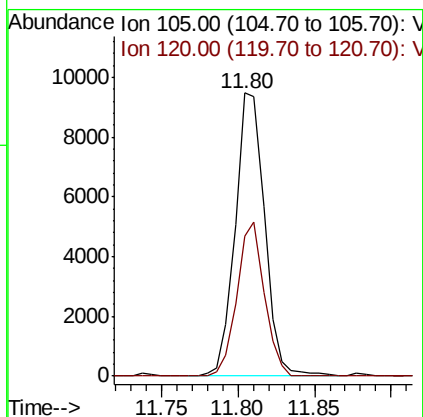
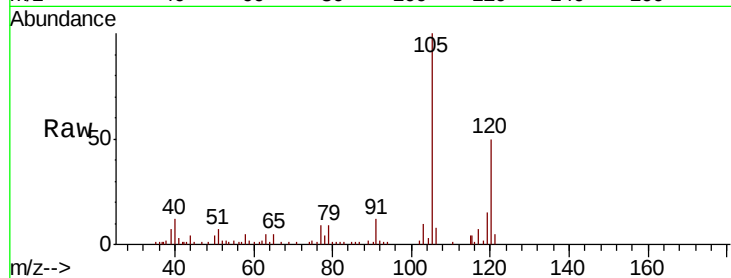




#84
 1,2,4-Trimethylbenzene
 Concen: 1.105 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

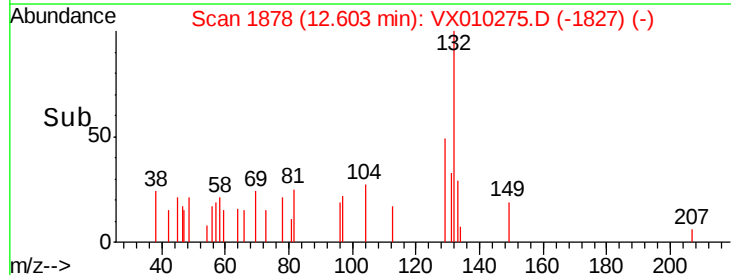
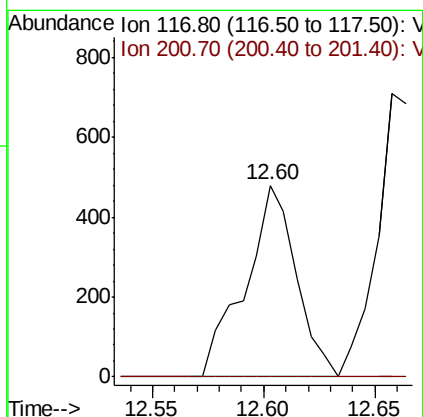
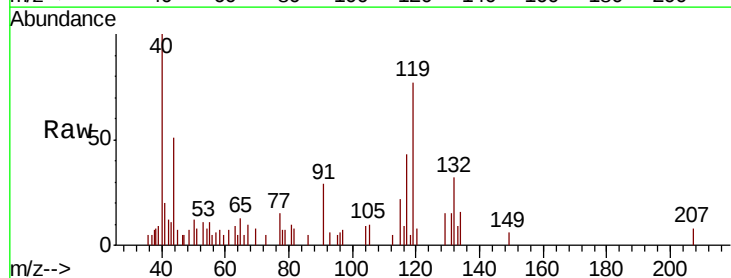
Instrument :
 MSVOA_X
 ClientSampleId :

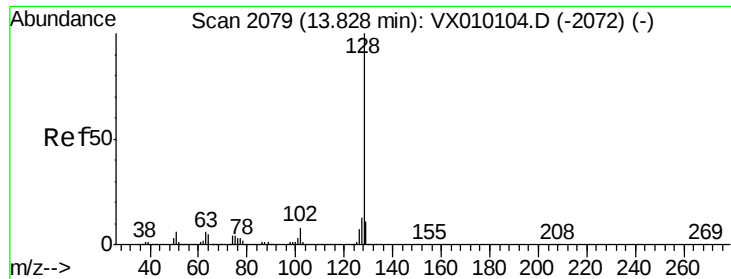
Tot Ion:105 Resp: 12690
 Ion Ratio Lower Upper
 105 100
 120 50.4 22.1 66.1



#90
 Hexachloroethane
 Concen: 0.312 ug/l
 RT: 12.60 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VX010275.D
 Acq: 13 Jun 2019 16:12

Tgt Ion:117 Resp: 763
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.6 130.9#





#95
Naphthalene
Concen: 8.608 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010275.D
Acq: 13 Jun 2019 16:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	11.1	8.8	13.2

